AUTHOR INDEX

Alvarado-Mallart, R. M. 1
Aquino, D. A. 1023
Azmitia, E. C. 47

Beal, M. F. 817
Beckstead, R. M. 557
Beitz, A. J. 409, 427
Ben-Ari, Y. 739
Bernardi, G. 757
Bisby, M. A. 1023
Björklund, A. 1043
Bliss, T. V. P. 279
Bogan, N. 467
Bohn, M. C. 885
Bolam, J. P. 577
Bortolotto, Z. A. 671
Bouthenet, M.-L. 117
Bowery, N. G. 365
Brown, D. A. 731
Buijs, R. M. 347
Bunch, S. T. 653

Cabot, J. B. 467
Calabresi, P. 293, 757
Calas, A. 1001
Cavalheiro, E. A. 671
Ceccatelli, S. 439
Chai, S. Y. 615
Chiappinelli, V. A. 875, 905
Churchill, L. 329
Clements, J. R. 409, 427
Coen, E. P. 855
Coleman, H. A. 357
Cortés, R. 65
Coupland, R. E. 895
Cowey, A. 951
Cross, R. S. 329
Cuello, A. C. 817
Culver, P. 875

Daddona, P. E. 487
Davies, A. M. 37
Dawbarn, D. 1043
De Potter, R. W. 855
Desarmenien, M. 385
Desaulles, E. 385
Dijcks, F. A. 157
Dimaline, R. 201
Dodt, H. U. 293
Dryer, S. E. 905
Dubois, M. P. 1011
Dunant, Y. 911
Dunnett, S. B. 653
Durbin, J. 895

Ecklund, L. J. 409
Ekblad, E. 169
Ekman, R. 169
Errington, M. L. 279

Fanardjian, V. V. 835, 845, 1057
Faull, R. L. M. 395
Feldman, S. 749
Feltz, P. 385
Ferrante, R. J. 817
Fibiger, H. C. 629, 637
Fischer, W. 1043
Fletcher, G. H. 589
Foote, R. W. 109
Freund-Mercier, M. J. 599
Frey, P. 439
Fujita, S. C. 259

Gähwiler, B. H. 731
Gaymann, W. 1069
Geffard, M. 347, 1001
Gelboin, H. V. 829
Giesler, M. P. 329
Ginzburg, R. N. 695
Graybiel, A. M. 577
Guengerich, F. P. 829

Håkanson, R. 169
Halász, N. 709
Hatton, G. I. 241
Henderson, G. 231
Henderson, Z. 503, 519
Hill, R. G. 231
Hinks, E. C. 341
Hökfelt, T. 439
Hudson, A. L. 365

Ikonomidou-Turski, C. 671
Imamura, K. 259
Isacson, O. 1043
Izzo, P. N. 577

Jacobowitz, D. M. 829
Jones, G. H. 653
Jouvet, M. 991
Joyce, J. N. 773
Ju, G. 439

Kapitulnik, J. 829
Katayama, Y. 189
Kato, S. 935
Kimura, H. 991
Kitahama, K. 991
Kitao, Y. 797
Klein, B. G. 537
Klockgether, T. 285
Kowall, N. W. 817
Kreutzberg, G. W. 23
Kurose, G. A. 695

Lacey, M. G. 231
Lawrence, J. M. 1031
Ledeen, R. W. 1023

Li Volsi, G. 385
Lockerbie, R. O. 719
Loring, R. H. 867
Lumsden, A. G. S. 37
Lynch, M. A. 279

Maeda, T. 991
Magoul, R. 1001
Manvelyan, L. R. 835, 845
Marsden, C. A. 457
Marshall, J. F. 773
Martin, J. B. 817
Martin, R. 1069
Martres, M.-P. 117
McFadzean, I. 231
McGeer, E. G. 629, 637
Melander, T. 439
Meldrum, B. S. 285
Melkonyan, A. A. 1057
Melkonyan, D. S. 1057
Mendelsohn, F. A. O. 615
Mercuri, N. 757
Misgeld, U. 293
Mooney, R. D. 537
Morgan, J. E. 519
Mori, K. 259
Moriizumi, T. 797
Muller, D. 911
Mullett, M. M. 409

Nagy, J. I. 487
Nakamura, S. 221
Nakamura, Y. 797
Negishi, K. 935
Negrão, N. 961
Nelson, S. R. 329
North, R. A. 189

Obata, K. 259
Okoyama, S. 797
Onteniente, B. 1001

Palacios, J. M. 65, 599
Patel, S. 687
Paxinos, G. 615
Pazdernik, T. L. 329
Pazos, A. 599
Plantjé, J. F. 157
Porte, A. 599
Price, G. W. 365
Probst, A. 65

Raisman, G. 1031
Raivich, G. 23
Rao, Z. R. 923
Raybould, H. E. 201
Reese, B. E. 951
Reichhart, J. M. 599
Reiner, P. B. 629, 637
Represa, A. 739
Rhoades, R. W. 537
Ricardo, J. A. 961
Richard, Ph. 599
Richardson, E. P. Jr. 817
Rohrer, H. 37
Roitbak, A. I. 1057
Roubos, E. W. 247
Routledge, C. 457
Rustioni, A. 209

Sah, D. W. Y. 867
Sakaguchi, T. 221
Sales, N. 117
Samson, F. E. 329
Saphier, D. 749
Schipper, J. 157
Schlichter, R. 385
Schmidt, E. D. 247
Schwartz, J.-C. 117
Schwarz, M. 285
Semba, K. 629, 637
Senba, E. 487
Shammah-Lagnado, S. J. 961
Shiosaka, S. 923
Silva, B. A. 961
Sinnamon, H. M. 695
Slater, P. 687
Sofroniew, M. V. 817
Sontag, K.-H. 285
Sorenson, E. M. 875
Sotelo, C. 1
Stanzione, P. 757
Starr, M. S. 589
Stefani, A. 757
Steinbusch, H. W. M. 157
Stoeckel, M. E. 599
Stoof, J. C. 157
Sundler, F. 169
Surprenant, A. 189

Tatehata, T. 923
Teranishi, T. 935
Thibault, J. 1011
Thompson, I. D. 519
Tillet, Y. 1011
Tohyama, M. 923
Tomlinson, A. 895
Tremblay, E. 739
Turski, L. 285, 671
Turski, W. A. 671
Tweedle, C. D. 241

Verheijden, P. F. H. M. 157
Villiger, J. W. 395
Vulpen, E. H. S. van 347

Walz, W. 341
Wanaka, A. 923
Weinberg, R. J. 209
Whishaw, I. Q. 653
Whitaker-Azmitia, P. M. 47
Wictorin, K. 1043
Wild, J. M. 305
Winther, C. 169

Yamano, M. 923

Zigmond, R. E. 867

VOLUME 20 - SUBJECT INDEX

Note: For brain nuclei see relevant area, e.g. Hypothalamus, or under name of nucleus (e.g. Accumbens nucleus).
*Commentary.

Abbreviations : AChE, acetylcholinesterase; ATP, adenosine 5'-triphosphate; ChAT, choline acetyltransferase; CNS, central nervous system; EPSP, excitatory postsynaptic potential; GABA, gamma-aminobutyrate; 5-HT, 5-hydroxytryptamine; NADPH, nicotinamide-adenine dinucleotide phosphate, reduced; NGF, nerve growth factor; NPY, neuropeptide Y; SIF cell, small, intensely fluorescent cell; VIP, vasoactive intestinal polypeptide.

Accessory olfactory bulb
  subclasses of nerve fibres projecting from the vomeronasal organ in rabbit 20:259

Accommodation
  effect of GABA & baclofen in rat primary afferent neurons 20:385

Accumbens nucleus
  D_2 dopamine receptors regulate dopamine release in rat 20:157
  localization of angiotensin-converting enzyme in rat 20:615

Acetylcholinesterase
  comparison of distribution in the rat CNS with that of beta-NGF binding sites 20:23
  distribution in ferret visual system 20:503
  -positive neurons; correlation with distribution of D_2 dopamine receptors in rat caudate-putamen 20:773
  zones of high & low activity; relationship with the distribution of NPY, somatostatin & NADPH diaphorase neurons in human striatum 20:817

Action potentials
  multiple sites for initiation in neurons of the guinea-pig inferior mesenteric ganglion 20:357

Adenosine deaminase
  is present in a subpopulation of preganglionic parasympathetic neurons in rat 20:487

Adrenal gland
  medulla,
    morphometric analysis at the tissue & cellular level, & correlation with catecholamine content in rat 20:895

Adrenaline
  effect of tranylcypromine & electrical stimulation of the rostral ventrolateral medulla on levels in rat posterior hypothalamus 20:457

Adrenaline-storing cells
  morphometric analysis in rat adrenal medulla & correlation with catecholamine content 20:895

Amacrine cells
  correlation of photoresponse with morphological type in carp retina 20:935

gamma-Aminobutyrate
  effect on accommodation in rat primary afferent neurons 20:385
  immunocytochemical localization in rat spinal cord 20:1001
  ultrastructural localization in the supraoptic nucleus & neural lobe of rat 20:347
gamma-Aminobutyrate receptors
  B,
    distribution on primary afferent neurons in rat 20:385
  comparison of distribution of A & B subtypes in rat brain 20:365

D(-)Aminophosphonovalerate
blocks induction of long-term potentiation & increased glutamate release in long-term potentiation in rat dentate gyrus 20:279

Amygdala
convulsant actions of morphine, [D-Ala^2,D-Leu^5]enkephalin & naloxone in rat 20:671
lack of D_2 dopamine receptors in dopaminergic areas in rat 20:117
localization of angiotensin-converting enzyme in rat 20:615
localization of cytochrome P-450 in rat 20:829
localization of muscarinic cholinergic receptors in human 20:65
localization of oxytocin binding sites in rat 20:599

Amygdaloid nuclei
central,
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835
localization of oxytocin binding sites in rat 20:599
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Angiotensin II
comparison of distribution with that of angiotensin-converting enzyme in rat brain 20:615

Angiotensin-converting enzyme
localization in rat brain 20:615

Ansa lenticularis
localization of cytochrome P-450 in rat 20:829

Anterior cingulate cortex
D_2 dopamine receptors regulate dopamine release in rat 20:157

Apomorphine
effect of intrastriatal injection on the topography of dopamine behaviours in unilaterally 6-hydroxydopamine-treated rats 20:589

Astrocytes
central; ultrastructure in peripheral neural transplants in rat 20:1031
effect of pH on K^+ transport *in vitro* in mouse 20:341

Astroglial reaction
in exocitotically lesioned neostriatum & its projection areas in rat 20:1043

Baclofen
effect on accommodation in rat primary afferent neurons 20:385

Basal forebrain neurons
morphology of cortically projecting neurons in rat 20:637
physiology of cortically projecting neurons in rat 20:629

Basal forebrain nuclei
localization of muscarinic cholinergic receptors in human 20:65

Basal ganglia
localization of muscarinic cholinergic receptors in human 20:65

Basal nucleus
comparison of neurotoxic properties of kainate, ibotenic acid, N-methyl-D-aspartate & quisqualate in rat 20:653
magnocellular; localization of high-affinity beta-NGF binding sites; correlation with AChE reactivity in rat 20:23
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

BAY K8644
effect on calcium currents in rat hippocampus 20:731

Blood vessels
localization of angiotensin-converting enzyme in rat 20:615

Brain stem
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117

Calcitonin gene-related peptide
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169

Calcium currents
effect of dihydropyridines in rat hippocampus 20:731

Catecholamines
correlation of content with morphometric analysis of rat adrenal chromaffin tissue 20:895
innervation of sheep olfactory bulb 20:1011

Caudate nucleus
characterization of substance P & [Met]enkephalin neurons in cat & ferret 20:577
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835
localization of oxytocin binding sites in rat 20:599
projection to the entopeduncular nucleus; ultrastructure of synapses with the projection to the thalamus in cat 20:797
substance P cell clusters coincide with high-density terminal zones of the nigrostriatal dopaminergic projection in cat 20:557

Caudate-putamen
localization of angiotensin-converting enzyme in rat 20:615
localization of cytochrome P-450 in rat 20:829
localization of dopamine D_2 receptors to intrinsic neurons rather than to neocortical afferents in rat 20:773

Caudodorsal cells
morphological basis for non-synaptic communication in the cerebral commissure of *Lymnaea stagnalis* 20:247

Caveolae
in host central astrocytes in peripheral neural transplants in rat 20:1031

Central grey
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
stimulation inhibits locomotion induced by hypothalamic stimulation in rat 20:695

Cerebellar nuclei
deep,
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Cerebellum
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
localization of angiotensin-converting enzyme in rat 20:615
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
localization of muscarinic cholinergic receptors in human 20:65
transplantation of solid embryonic implants to adult Purkinje cell degeneration mutant mice 20:1

Cerebral commissure
morphological basis for non-synaptic communication in caudodorsal cells of *Lymnaea stagnalis* 20:247

Cerebral cortex (see also relevant cortical areas)
axonal distributions of single neurons from the locus coeruleus in rat 20:221
contribution of glia & neurons to surface-negative potentials during electrical stimulation in cat 20:1057
effect of soman on glucose use in rat 20:329
increases maturation of co-cultured mesencephalic raphe serotonergic neurons in rat 20:47
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
localization of muscarinic cholinergic receptors in human 20:65
localization of reactive astrocytes after ibotenic acid lesion of the rat neostriatum 20:1043
morphology of neurons projecting from the basal forebrain in rat 20:637
physiology of neurons projecting from the basal forebrain in rat 20:629
picrotoxin causes myoclonus in rat 20:687
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Chemotaxis
role in guidance of growth cones to the target area 20:719*

Cholecystokinin
coexistence with galanin in a spinothalamic pathway in rat 20:439
distribution in rat spinal trigeminal nucleus 20:427
origin of brain stem input to the rat spinal trigeminal nucleus 20:409

Choline acetyltransferase
distribution in ferret visual system 20:503
distribution of immunoreactivity in the hypothalamus & preoptic area in rat 20:923

Cholinergic neurons
distribution in the hypothalamus & preoptic area in rat 20:923

Cholinergic receptors
muscarinic,
M_1 & M_2; distribution in the human forebrain & cerebellum 20:65

Choroid neurons
quantal content & quantal conductance compared with that of ciliary neurons in chick ciliary ganglion 20:905

Choroid plexus
ventricular,
localization of angiotensin-converting enzyme in rat 20:615

Chromaffin cells
morphometric analysis in rat adrenal medulla & correlation with catecholamine content 20:895

Ciliary ganglion
effect of lophotoxin on nicotinic transmission in chick 20:875
quantal content & quantal conductance in ciliary & choroid neurons in chick 20:905

Ciliary neurons
quantal content & quantal conductance compared with that of choroid neurons in chick ciliary ganglion 20:905

Cochlear nuclei
connections with the cuneate nucleus in rat 20:209
localization of high-affinity beta-NGF binding sites in rat 20:23

Coexistence
of galanin & cholecystokinin in a spinothalamic pathway in rat 20:439

Colliculus
superior,
crossed projection from the temporal retina in rat 20:951
decussation patterns of projecting retinal ganglion cells in pigmented & albino ferrets 20:519
distribution of AChE & ChAT in ferret 20:503
effects of altered visual input on the development of visual & somatosensory representations in hamster 20:537
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
stimulation inhibits locomotion induced by hypothalamic stimulation in rat 20:695

Colocalization
of NPY, somatostatin & NADPH diaphorase in human striatum 20:817
Column of Terni
morphology of sympathetic preganglionic neurons in pigeon 20:467

Corelease
of [Met]enkephalin & noradrenaline from sympathetic nerves of bovine vas deferens 20:855

Corticostriatal axons
are not the site of dopamine D_2 receptors in rat caudate-putamen 20:773

Costorage
of [Met]enkephalin & noradrenaline in sympathetic nerves of bovine vas deferens 20:855

Crus cerebri
localization of cytochrome P-450 in rat 20:829

Cuneate nucleus
connections with the cochlear nucleus in rat 20:209

Cuneiform nucleus
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Cytochrome P-450
distribution in rat brain 20:829

Deep mesencephalic nucleus
enkephalin projection to the rat spinal trigeminal nucleus 20:409

Dendrites
evidence for active responses in guinea-pig inferior mesenteric ganglion 20:357

Dendrodendritic synapses
effect of early X-irradiation on granule cells in rat olfactory bulb 20:709

Dentate gyrus
localization of angiotensin-converting enzyme in rat 20:615
long-term potentiation; induction & increased glutamate release are blocked by D(-)aminophosphonovalerate in rat 20:279

2-Deoxyglucose
uptake in rat brain after intrastriatal picrotoxin 20:687

Desmosomes
in host central astrocytes in peripheral neural transplants in rat 20:1031

Diagonal band
localization of high-affinity beta-NGF binding sites; correlation with AChE reactivity in rat 20:23

Diazepam
effect on action of soman on local cerebral glucose use in rat 20:329
effect on the convulsant actions of morphine, [D-Ala^2,D-Leu^5]enkephalin & naloxone in rat amygdala 20:671

Diencephalospinal system
density of D_2 dopamine receptors parallels that of dopamine innervation in rat 20:117

Dihydropyridines
effect on calcium currents in rat hippocampus 20:731

3,4-Dihydroxyphenylacetic acid
effect of tranylcypromine & electrical stimulation of the rostral ventrolateral medulla on levels in rat posterior hypothalamus 20:457

Diisopropyl phosphorofluoridate
effect on local cerebral glucose use in rat 20:329

Diprenorphine
distribution of binding sites in the human spinal cord 20:395

Dopamine
electrophysiological action in rat neostriatum; pharmacological characterization of receptors involved 20:757
release in rat cerebral cortex is regulated by D_2 dopamine receptors 20:157

Dopamine agonists
D_1 & D_2; effects on rat neostriatal neurons 20:757

Dopamine antagonists
D_1 & D_2; effects on dopamine-induced inhibition in rat neostriatal neurons 20:757

Dopamine beta-hydroxylase
localization in sheep olfactory bulb 20:1011

Dopamine innervation
comparison with density of D_2 dopamine receptors in rat 20:117

Dopamine receptors
D_1,
role in the inhibitory effect of dopamine on rat striatal neurons 20:757
striatal topography of dopamine behaviours in unilaterally 6-hydroxydopamine-treated rats 20:589
D_2,
localization to intrinsic caudate-putamen neurons rather than terminals of corticostriatal neurons in rat 20:773
mapping in rat CNS 20:117
regulate dopamine release in rat cerebral cortex 20:157
striatal topography of dopamine behaviours in unilaterally 6-hydroxydopamine-treated rats 20:589

Dopaminergic neurons
high-density terminal zones of the nigrostriatal projection system coincide with striatal substance P cell clusters in cat 20:557

Dorsal root ganglion
effect of GABA & baclofen on accommodation in rat primary afferent neurons 20:385

Dynorphin(1-8)
coexistence with vasopressin in the rat neurohypophysis 20:1069

Electric organ
miniature & subminiature potentials in *Torpedo* 20:911

Electrical fields
role in guidance of growth cones to the target area 20:719*

Enkephalin
[D-Ala²,D-Leu⁵],
convulsant action in rat amygdala 20:671
[Leu],
coexistence with oxytocin & vasopressin in the rat neurohypophysis 20:1069
[Met],
characterization of immunoreactive neurons in the caudate nucleus of cat & ferret 20:577
coexistence & corelease with noradrenaline from sympathetic nerves of bovine vas deferens 20:855
coexistence with oxytocin in the rat neurohypophysis 20:1069
origin of brain stem input to the rat spinal trigeminal nucleus 20:409
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169

Enteric neurons
actions of substance P & a substance P analogue in guinea-pig submucous plexus 20:189
colocalization of proVIP-derived peptides in rat 20:201
peptide-containing; origin & projections in rat 20:169

Entopeduncular nucleus
localization of angiotensin-converting enzyme in rat 20:615
synaptic organization in cat 20:797

Entorhinal cortex
D_2 dopamine receptors regulate dopamine release in rat 20:157
localization of oxytocin binding sites in rat 20:599

Extracellular matrix
accumulation at host central astrocytes in peripheral neural transplants in rat 20:1031

Facial nucleus
effects of stimulation of brain stem structures on motoneurons in cat 20:845
effects of stimulation of cerebral cortex and subcortical structures on motoneurons in rat 20:835

Forel's field H_1
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Frontal cortex
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
intrastriatal picrotoxin increases 2-deoxyglucose uptake in rat 20:687

Galanin
coexistence with cholecystokinin in a spinothalamic pathway in rat 20:439

Gangliosides
bidirectional transport in sensory neurons of rat sciatic nerve 20:1023

Geniculate nucleus
see under subdivisions, e.g. Lateral geniculate nucleus

Glia
contribution to the surface-negative potentials of cerebral cortex during electrical stimulation in cat 20:1057

Glial fibrillary acidic protein
distribution of immunoreactive astrocytes after intrastriatal injection of ibotenic acid in rat 20:1043

Globus pallidus
effect of lesion on striatally & cortically evoked myoclonus in rat 20:687
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
localization of angiotensin-converting enzyme in rat 20:615
localization of cytochrome P-450 in rat 20:829
localization of muscarinic cholinergic receptors in human 20:65
localization of reactive astrocytes after ibotenic acid lesion of the rat neostriatum 20:1043

Glucocorticoids
inhibit division of SIF cells in neonatal rat superior cervical ganglion 20:885

Glucose
effects of diisopropyl phosphorofluoridate & soman on local cerebral use in rat 20:329

Glutamate
increased release associated with long-term

potentiation is blocked by D(-)aminophosphonovalerate in rat dentate gyrus 20:279

Glycoproteins
bidirectional transport in sensory neurons of rat sciatic nerve 20:1023

Golgi technique
modification of the single-section Golgi-impregnation procedure 20:577

Granule cells
effect of early X-irradiation in rat olfactory bulb 20:709

Grey matter
comparison of level of opioid binding sites with that in white matter in guinea-pig 20:109

Growth cone
locomotion, navigation & target recognition capabilities 20:719*

Gyrus proreus
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835

Habenula
medial,
localization of angiotensin-converting enzyme in rat 20:615

Hemidesmosomes
in host central astrocytes in peripheral neural transplants in rat 20:1031

Hippocampus
effect of dihydropyridines on calcium currents in rat 20:731
effect of stimulation on paraventricular nucleus neurons in rat 20:749
increases maturation of co-cultured mesencephalic raphe serotonergic neurons in rat 20:47
lack of D_2 dopamine receptors in dopaminergic areas in rat 20:117
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
localization of muscarinic cholinergic receptors in human 20:65
mossy fibres,
localization & plasticity of kainate binding sites in rat 20:739
ventral subiculum,
localization of oxytocin binding sites in rat 20:599

5-Hydroxyindoleacetic acid
effect of tranylcypromine & electrical stimulation of the rostral ventrolateral medulla on levels in rat posterior hypothalamus 20:457

5-Hydroxytryptamine
localization in sheep olfactory bulb 20:1011

Hypothalamic nuclei
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
paraventricular,
effects of septal & hippocampal stimulation in rat 20:749
localization of angiotensin-converting enzyme in rat 20:615
supraoptic,
localization of angiotensin-converting enzyme in rat 20:615
ultrastructural localization of GABA in rat 20:347
ventromedial,
localization of oxytocin binding sites in rat 20:599

Hypothalamus
distribution of cholinergic neurons & fibres in rat 20:923
lack of D_2 dopamine receptors in dopaminergic areas in rat 20:117
lateral,
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835
localization of cytochrome P-450 in rat 20:829
localization of muscarinic cholinergic receptors in human 20:65
midbrain modulation of stimulation-induced locomotion in rat 20:695
posterior,
electrical stimulation of the C_1 region of the rostral ventrolateral medulla increases mean arterial pressure & adrenaline release in rat 20:457
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Ibotenic acid
comparison of effects with those of other neurotoxic amino acids injected into the rat basal nucleus 20:653
lesion of neostriatum; multifocal astroglial reactions in rat 20:1043

Ileum
colocalization of proVIP-derived peptides in rat 20:201

Inferior mesenteric ganglion
evidence for active responses in dendrites in guinea-pig 20:357

Intercalatus spinalis nucleus
morphology of sympathetic preganglionic neurons in pigeon 20:467

Internal capsule
localization of cytochrome P-450 in rat 20:829

Interpeduncular nucleus
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:36

Interstitial nucleus of Cajal
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:845

Jejunum
origin & projections of peptide-containing neurons in rat 20:169

Kainate
alpha & beta; effects on motor responses in rodents; interactions with N-methyl-D-aspartate 20:285
comparison of effects with those of other neurotoxic amino acids injected into the rat basal nucleus 20:653
localization & plasticity of binding sites in rat hippocampal mossy fibres 20:739

Lacrimo-nasopalatine parasympathetic nucleus
neurons contain adenosine deaminase in rat 20:487

Large dense-cored vesicles
coexistence of [Met]enkephalin & noradrenaline in sympathetic nerves of bovine vas deferens 20:855

Lateral geniculate nucleus
decussation patterns of projecting retinal ganglion cells in pigmented & albino ferrets 20:519
distribution of AChE & ChAT in ferret 20:503
dorsal,
crossed projection from the temporal retina in rat 20:951

Lemniscus
dorsolateral,
localization of high-affinity beta-NGF binding sites in rat 20:23

Limbic system
effect of soman on glucose use in rat 20:329

Lisuride
effect of intrastriatal injection on the topography of dopamine behaviours in unilaterally 6-hydroxydopamine-treated rats 20:589

Locomotion
midbrain modulation in rat 20:695
of the neuronal growth cone 20:719*

Locus coeruleus
axonal distributions of single neurons within the cerebral cortex in rat 20:221
effects of opioid receptor agonists on rat neurons *in vitro* 20:231
localization of kappa opioid receptors in rat 20:231
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Long-term potentiation
induction & increased glutamate release are blocked by D(-)aminophosphonovalerate in rat dentate gyrus 20:279

Lophotoxin
effect on nicotinic transmission in autonomic ganglia of chick & rat 20:875

Lumbar sympathetic chain ganglia
effect of lophotoxin on nicotinic transmission in chick 20:875

Mean arterial pressure
increase following electrical stimulation of the rostral ventrolateral medulla; correlation with increased adrenaline release in rat 20:457

Medial forebrain bundle
localization of cytochrome P-450 in rat 20:829

Medial geniculate nucleus
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365

Median eminence
effects of septal & hippocampal stimuli on paraventricular nucleus neurons projecting to the median eminence in rat 20:749
localization of angiotensin-converting enzyme in rat 20:615

Medulla oblongata
topographic distribution of two forms of monoamine oxidase in cat 20:991
ventrolateral,
rostral; electrical stimulation of the C_1 region increases mean arterial blood pressure & adrenaline release in the rat posterior hypothalamus 20:457

Membrane properties
intrinsic; of rat neostriatal neurons 20:293

Membrane specializations
of host central astrocytes in peripheral neural transplants in rat 20:1031

Mesolimbocortical system
density of D_2 dopamine receptors parallels that of dopamine innervation in rat 20:117

Mesostriatal system
density of D_2 dopamine receptors parallels that of dopamine innervation in rat 20:117

N-Methyl-D-aspartate
comparison of effects with those of other neurotoxic amino acids injected into the rat basal nucleus 20:653
motor responses in rodents are antagonized by alpha- & beta-kainate 20:285

N-Methyl-D-aspartate receptors
& induction of long-term potentiation in rat dentate gyrus 20:279

Midbrain
projections to the striatum in pigeon 20:305
stimulation produces locomotion & modulates locomotion induced by hypothalamic stimulation in rat 20:695

Miniature potentials
in *Torpedo* electric organ 20:911

Monoamine oxidase
topographic distribution of two forms in the cat medulla oblongata 20:991

Morphine
convulsant action in rat amygdala 20:671

Morphometry
analysis of rat adrenal medulla at tissue & cellular level, & correlation with catecholamine content 20:895

Motor cortex
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835

Muscarinic antagonists
effects on action of diisopropyl phosphofluoridate & soman on local cerebral glucose use in rat 20:329

Muscle tone
effects of alpha- & beta-kainate in genetically spastic rats; interactions with N-methyl-D-aspartate 20:285

Myoclonic seizures
effects of alpha- & beta-kainate in mouse; interactions with N-methyl-D-aspartate 20:285

Myoclonus
is produced by picrotoxin injected into the striatum or applied to the cerebral cortex in rat 20:687

Na^+,K^+-ATPase
effect of pH on K^+ transport in cultured mouse astrocytes 20:341

NADPH diaphorase
colocalization with NPY & somatostatin in human striatum 20:817

Naloxone
convulsant action in rat amygdala 20:671
effect on the convulsant actions of morphine & [D-Ala^2,D-Leu^5]enkephalin in rat amygdala 20:671

Navigation
of the neuronal growth cone to the target area 20:719*

Neocortical lesions
do not affect the density of D_2 dopamine receptors in rat caudate-putamen 20:773

Neostriatal neurons
intrinsic membrane properties in rat 20:293

Neostriatum
projection from the thalamus in pigeon 20:305

Nerve-electroplaque junction
miniature & subminiature potentials in *Torpedo* electric organ 20:911

Nerve growth factor
does not support the growth of chick neural crest-derived proprioceptive neurons in culture 20:37

Nerve growth factor receptors
are expressed by neural crest-derived proprioceptive neurons in chick 20:37
beta,
distribution in the rat CNS 20:23

Neural crest-derived proprioceptive neurons
express NGF receptors, but are not supported by NGF in culture in chick 20:37

Neural lobe
ultrastructural localization of GABA in rat 20:347

Neurogenesis
of SIF cells; effect of glucocorticoids in neonatal rat superior cervical ganglion 20:885

Neurohaemal release
comparison with non-synaptic release in caudodorsal cells in the cerebral commissure of *Lymnaea stagnalis* 20:247

Neurohypophysis
effects of septal & hippocampal stimuli on paraventricular nucleus neurons projecting to the neurohypophysis in rat 20:749
localization of opioid peptides in rat 20:1069
plasticity of neurosecretory terminals in rat 20:241

Neuropeptide Y
colocalization with somatostatin & NADPH diaphorase in human striatum 20:817
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169

Neurosecretory terminals
plasticity in rat neurohypophysis 20:241

Neurovascular contact zone
plasticity of neurovascular terminals in rat neurohypophysis 20:241

Neutral glycosphingolipids
bidirectional transport in sensory neurons of rat sciatic nerve 20:1023

Nicotinic EPSPs
quantal content in ciliary & choroid neurons of the chick ciliary ganglion 20:905

Nicotinic transmission
effect of lophotoxin in autonomic ganglia of chick & rat 20:875
effect of toxin F in cultured sympathetic neurons in rat 20:867

Nifedipine
effect on calcium currents in rat hippocampus 20:731

Nigrostriatal projection
dopaminergic; high-density terminal zones coincide with striatal substance P cell clusters in cat 20:557

Non-synaptic release
distribution & ultrastructure of caudodorsal cell axons in the cerebral commissure of *Lymnaea stagnalis* 20:247

Noradrenaline
coexistence & corelease with [Met]enkephalin from sympathetic nerves of bovine vas deferens 20:855
effect of tranylcypromine & electrical stimulation of the rostral ventrolateral medulla on levels in rat posterior hypothalamus 20:457
a substance P analogue causes release in the guinea-pig submucous plexus 20:189

Noradrenaline-storing cells
morphometric analysis in rat adrenal medulla & correlation with catecholamine content 20:895

Nucleus of Darkschewitsch
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:845

Oculomotor nucleus
accessory,
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Olfactory bulb
catecholamine & 5-HT innervation in sheep 20:1011
effect of early X-irradiation on granule cells & their dendrodendritic synapses in rat 20:709
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
increases maturation of co-cultured mesencephalic raphe serotonergic neurons in rat 20:47

Olfactory nucleus
anterior,
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
localization of oxytocin binding sites in rat 20:599

Olfactory tubercle
localization of muscarinic cholinergic receptors in human 20:65
localization of oxytocin binding sites in rat 20:599

Opioid receptor agonists
effects on rat locus coeruleus neurons *in vitro* 20:231

Opioid receptors
comparison of levels in grey & white matter in guinea-pig 20:109
distribution in the human spinal cord 20:395
kappa,
localization in rat locus coeruleus 20:231

Organum vasculosum of lamina terminalis
localization of angiotensin-converting enzyme in rat 20:615

Oxytocin
coexistence with [Leu]- & [Met]enkephalin in rat neurohypophysis 20:1069
localization of binding sites in rat brain 20:599

Paleostriatum
projection from the thalamus in pigeon 20:305

Parabrachial nuclei
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Parasympathetic neurons
preganglionic; a subpopulation contains adenosine deaminase in rat 20:487
quantal content & quantal conductance in two populations of neurons in the chick ciliary ganglion 20:905

Parietal neocortex
D_2 dopamine receptors regulate dopamine release in rat 20:157

Periaqueductal grey
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:845
midbrain,
enkephalin projection to the rat spinal trigeminal nucleus 20:409

Periglomerular system
density of D_2 dopamine receptors parallels that of dopamine innervation in rat 20:117

pH
effect on K^+ transport in cultured mouse astrocytes 20:341

Photoresponses
correlation with morphological type of amacrine cell in carp retina 20:935

Picrotoxin
induces myoclonus when injected into the striatum or applied to the cerebral cortex in rat 20:687

Piriform cortex
D_2 dopamine receptors regulate dopamine release in rat 20:157

Pituicytes
plasticity of relationship to neurosecretory processes in rat neurohypophysis 20:241

Pituitary
posterior,
localization of angiotensin-converting enzyme in rat 20:615

Plasticity
of kainate binding sites in the rat hippocampal mossy fibres 20:739
of neurosecretory terminals in rat neurohypophysis 20:241

Pons
projections to the striatum in pigeon 20:305

Pontine nucleus
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365

Potassium
role in surface-negative potentials of the cerebral cortex during electrical stimulation in cat 20:1057
transport; effect of pH in cultured mouse astrocytes 20:341

Potassium channel blockers
effects on electroresponsiveness of rat neostriatal neurons 20:293

Potassium channels
effect of pH on K^+ transport in cultured mouse astrocytes 20:341

Prefrontal cortex
D_2 dopamine receptors regulate dopamine release in rat 20:157

Preoptic area
distribution of cholinergic neurons & fibres in rat 20:923

Pretectal area
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:845

Pretectal nucleus
anterior,
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Primary afferent neurons
effect of GABA & baclofen on accommodation in rat dorsal root ganglion 20:385

Provasoactive intestinal polypeptide
colocalization of proVIP-derived peptides in rat gut 20:201

Purkinje cell degeneration mutant mice
reconstruction of the defective cerebellar circuitry through transplantation of solid embryonic cerebellar grafts 20:1

Purkinje cells
replacement in Purkinje cell degeneration mutant mice through transplantation of solid embryonic cerebellar grafts 20:1

Putamen
substance P cell clusters coincide with high-density terminal zones of the nigrostriatal dopaminergic projection in cat 20:557

PY 108-068
effect on calcium currents in rat hippocampus 20:731

Pyramidal tract
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:835

Quantal conductance
in ciliary & choroid neurons of the chick ciliary ganglion 20:905

Quantal content
in ciliary & choroid neurons of the chick ciliary ganglion 20:905

Quinolinic acid
effect of injection into the caudate-putamen on the density of D_2 dopamine receptors in rat 20:773

Quisqualate
comparison of effects with those of other neurotoxic amino acids injected into the rat basal nucleus 20:653

Raphe cells
mesencephalic,
target cell stimulation of dissociated serotonergic neurons in culture in rat 20:47

Raphe nuclei
dorsalis,
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
enkephalin projections to the rat spinal trigeminal nucleus 20:409
magnus,
$GABA_A$ & $GABA_B$ receptor site distribution in rat

20:365
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
obscurus,
cholecystokinin projection to the rat spinal trigeminal nucleus 20:409

Receptive fields
effect of altered visual input on development of visual & somatosensory representation in hamster superior colliculus 20:537

Reticular formation
localization of high-affinity beta-NGF binding sites in rat 20:23
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Reticular nuclei
gigantocellularis, pars alpha,
enkephalin projection to the rat spinal trigeminal nucleus 20:409
oral pontine,
enkephalin projection to the rat spinal trigeminal nucleus 20:409
paragigantocellularis,
enkephalin & cholecystokinin projections to the rat spinal trigeminal nucleus 20:409
parvocellular, of the medulla oblongata,
effect of stimulation on the activity of facial nucleus motoneurons in cat 20:845
pontis caudalis,
afferent connections in rat 20:961
pontis oralis,
afferent connections in rat 20:961
ventral, medullary,
cholecystokinin projection to the rat spinal trigeminal nucleus 20:409

Retina
correlation of photoresponse with morphological type of amacrine cell in carp 20:935
temporal crossed projection to the dorsal lateral geniculate nucleus in rat 20:951

Retinal decussation patterns
in pigmented & albino ferrets 20:519

Retinocollicular projection
reorganization after neonatal removal of one eye & ablation of the ipsilateral superior colliculus in hamster; effects on visual & somatosensory maps in the remaining superior colliculus 20:537

Sciatic nerve
bidirectional transport of glycoconjugates in rat sensory neurons 20:1023

Seizures
effects of injection of morphine, [D-Ala^2,D-Leu^5]-enkephalin & naloxone into rat amygdala 20:671

Sensory neurons
bidirectional transport of glycoconjugates in rat sciatic nerve 20:1023

Septal nuclei
lateral,
localization of oxytocin binding sites in rat 20:599
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
medial,
localization of high-affinity beta-NGF binding sites; correlation with AChE reactivity in rat 20:23

Septum
lateral,
effect of stimulation on paraventricular nucleus neurons in rat 20:749
localization of cytochrome P-450 in rat 20:829
localization of muscarinic cholinergic receptors in human 20:65

Serotonergic neurons
dissociated mesencephalic raphe cells; target cell stimulation in culture in rat 20:47

Serotonin
see 5-Hydroxytryptamine

SKF 38393
effect of intrastriatal injection on the topography of dopamine behaviours in unilaterally 6-hydroxydopamine-treated rat 20:589

Small intensely fluorescent cells
division in neonatal rat superior cervical ganglion is inhibited by glucocorticoids 20:885

Solitary tract, nucleus
enkephalin and cholecystokinin projections to the rat spinal trigeminal nucleus 20:409

Soman
effect on local cerebral glucose use in rat 20:329

Somatosensory map
effect of altered visual input on development in hamster superior colliculus 20:537

Somatostatin
colocalization with NPY & NADPH diaphorase in human striatum 20:817
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169

Spinal cord
distribution of opioid receptors in human 20:395
immunocytochemical localization of GABA in rat 20:1001
increases maturation of co-cultured mesencephalic raphe serotonergic neurons in rat 20:47
morphology of sympathetic preganglionic neurons in pigeon 20:467
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
sacral parasympathetic nucleus,
neurons contain adenosine deaminase in rat 20:487

Spinothalamic pathway
coexistence of galanin & cholecystokinin in rat 20:439

Stomach
colocalization of proVIP-derived peptides in rat 20:201

Stria terminalis
bed nucleus,
localization of oxytocin binding sites in rat 20:599

Striato-pallido-nigral pathway
effect of diisopropyl phosphorofluoridate & soman on glucose use in rat 20:329

Striatum (see also Caudate nucleus, Putamen)
colocalization of NPY, somatostatin & NADPH diaphorase in human 20:817
D_2 dopamine receptors regulate dopamine release in rat 20:157
ibotenic acid lesion; multifocal astroglial reactions in rat 20:1043
increases maturation of co-cultured mesencephalic raphe serotonergic neurons in rat 20:47
localization of high-affinity beta-NGF binding sites; correlation with AChE reactivity in rat 20:23
localization of muscarinic cholinergic receptors in human 20:65
pharmacological characterization of the receptors involved in the inhibitory effect of dopamine in rat 20:757
picrotoxin causes myoclonus in rat 20:687
topography of D_1 & D_2 dopamine receptor-mediated behaviours in unilaterally 6-hydroxydopamine-treated rats 20:589

Subfornical organ
localization of angiotensin-converting enzyme in rat 20:615

Subminiature potentials
in *Torpedo* electric organ 20:911

Submucous plexus
actions of substance P & a substance P analogue on guinea-pig neurons 20:189

Substance P
characterization of immunoreactive neurons in the caudate nucleus of cat & ferret 20:577
[D-Arg^1,D-Pro^2,D-Trp^{7,9},Leu^{11}],
effects on single neurons of the guinea-pig submucous plexus 20:189
effects on single neurons of the guinea-pig submucous plexus 20:189
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169
striatal cell clusters coincide with high-density terminal zones of the nigrostriatal dopaminergic projection in cat 20:557

Substantia gelatinosa
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365

Substantia innominata
localization of muscarinic cholinergic receptors in human 20:65

Substantia nigra
dopaminergic projection to the striatum; high-density terminal zones coincide with striatal substance P cell clusters in cat 20:557
localization of dopamine D_2 receptors on dopamine neurons in rat 20:117
pars reticulata,
localization of angiotensin-converting enzyme

in rat 20:615
localization of reactive astrocytes after ibotenic acid lesion of the rat neostriatum 20:1043
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Substratum
role in guidance of growth cones to the target area 20:719*

Subthalamic nucleus
effect of lesion on striatally & cortically evoked myoclonus in rat 20:687
intrastriatal picrotoxin increases 2-deoxyglucose uptake in rat 20:687
projection to the entopeduncular nucleus; ultrastructure of synapses with the projection to the thalamus in cat 20:797

Superior cervical ganglion
division of SIF cells in neonatal rat is inhibited by glucocorticoids 20:885
effect of lophotoxin on nicotinic transmission in rat 20:875
effect of toxin F on nicotinic synaptic potentials in cultured sympathetic neurons in rat 20:867

Surface-negative potentials
of the cerebral cortex during electrical stimulation; contribution of glia & neurons in cat 20:1057

Sympathetic nerves
coexistence & corelease of [Met]enkephalin & noradrenaline in bovine vas deferens 20:855

Sympathetic neurons
effect of toxin F on nicotinic synaptic potentials in culture in rat 20:867
preganglionic; morphology in the pigeon 20:467

Synapses
between afferents to the entopeduncular nucleus & entopedunculothalamic projection neurons in cat 20:797
of cholecystokinin-like immunoreactive processes with the spinal trigeminal nucleus neuropil in rat 20:427

Synaptogenesis
of growth cones with their target cells 20:719*

Target recognition
by the neuronal growth cone 20:719*

Tectum
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117

Tegmental nucleus
dorsolateral,
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Tegmentum
lateral,
stimulation inhibits locomotion induced by hypothalamic stimulation in rat 20:695

Temporal cortex
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365

Thalamic nuclei
effect of soman on glucose use in rat 20:329
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
localization of D_2 dopamine receptors in areas without established dopamine innervation in rat 20:117
paraventricular,
localization of oxytocin binding sites in rat 20:599

Thalamus
coexistence of galanin & cholecystokinin in a pathway originating in the lumbar spinal cord in rat 20:439
effect of lesion on striatally & cortically evoked myoclonus in rat 20:687
intrastriatal picrotoxin increases 2-deoxyglucose uptake in rat 20:687
lateral posterior,
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365
localization of muscarinic cholinergic receptors in human 20:65
projection from the entopeduncular nucleus; ultrastructure of synapses with afferents to the cat entopeduncular nucleus 20:797
projections to the paleostriatum & neostriatum in pigeon 20:305

Topography
of D_1 & D_2 dopamine receptor-mediated behaviours in striatum of unilaterally

6-hydroxydopamine-treated rats 20:589
of D_2 dopamine receptors in rat caudate-putamen 20:773
of two forms of monoamine oxidase in the cat medulla oblongata 20:991

Toxin F
effect on nicotinic synaptic potentials in cultured sympathetic neurons in rat 20:867

Transplantation
of peripheral sympathetic ganglia to adult CNS; ultrastructure of host astrocytes in rat 20:1031
of solid embryonic cerebellar grafts to adult Purkinje cell degeneration mutant mice 20:1

Tranylcypromine
effect on levels of adrenaline, noradrenaline, 3,4-dihydroxyphenylacetic acid & 5-hydroxyindoleacetic acid in rat posterior hypothalamus 20:457

Trigeminal nerve, nuclei
mesencephalic,
neural crest-derived proprioceptive neurons express NGF receptors, but are not supported by NGF in culture in chick 20:37
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961
spinal,
enkephalin & cholecystokinin input from brain stem in rat 20:409
localization of angiotensin-converting enzyme in rat 20:615
localization of cholecystokinin-like immunoreactivity in rat 20:427

Trigeminal tract
spinal,
$GABA_A$ & $GABA_B$ receptor site distribution in rat 20:365

Tyrosine hydroxylase
localization in sheep olfactory bulb 20:1011

U50488
effects on rat locus coeruleus neurons *in vitro* 20:231

Vas deferens
coexistence & corelease of [Met]enkephalin & noradrenaline in bovine sympathetic nerves 20:855

Vasoactive intestinal polypeptide
origin & projections of immunoreactive nerve fibres in rat jejunum 20:169
subpopulations of VIP neurons in rat gut 20:201

Vasopressin
coexistence with dynorphin(1-8) & [Leu]-enkephalin in rat neurohypophysis 20:1069

Ventral tegmental area
localization of dopamine D_2 receptors on dopamine neurons in rat 20:117

Ventricles
ependyma,
localization of angiotensin-converting enzyme in rat 20:615

Vestibular nuclei
medial,
enkephalin projection to the rat spinal trigeminal nucleus 20:409
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961

Visual cortex
distribution of AChE & ChAT in ferret 20:503

Visual map
effect of altered visual input on development in hamster superior colliculus 20:537

Vomeronasal organ
subclasses of nerve fibres projecting to the accessory olfactory bulb in rabbit 20:259

White matter
comparison of level of opioid binding sites with that in grey matter in guinea-pig 20:109

X-irradiation
effect on development of granule cells & their dendrodendritic synapses in rat olfactory bulb 20:709

Zona incerta
projections to the nuclei reticularis pontis oralis & caudalis in rat 20:961